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- (71) Applicant (for all designated States except US): **MCMAS-
TER UNIVERSITY** [CA/CA]; 1280 Main Street West,
Hamilton, Ontario L8S 4L8 (CA).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BROWN, Eric,**

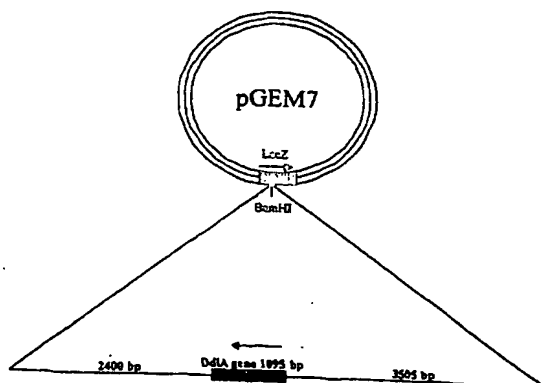
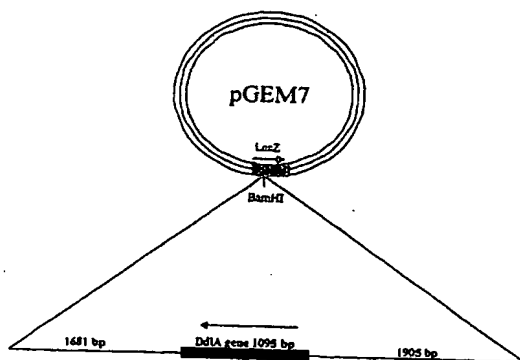
D. [CA/CA]; 304 Watson Avenue, Oakville, Ontario L6J
3V4 (CA). **LI, Xiaoming** [CA/CA]; 2067 Prospect St.,
Apt. 805, Burlington, Ontario L7R 1Z3 (CA). **WRIGHT,**
Gerard [CA/CA]; 99 Cranston Avenue, Cambridge,
Ontario (CA). **CECHETTO, Jonathan, D.** [CA/CA]; 163
Daniels Street, Ancaster, Ontario L9G 4Y3 (CA). **JURAN,**
Michela [CA/CA]; 1964 Main Street West, Suite 1201,
Hamilton, Ontario L8S 1J5 (CA). **HARTLEN, Rebecca**
[CA/CA]; 407 Parkridge Crescent, Oakville, Ontario L6M
1A9 (CA).

(74) Agent: **BERESKIN & PARR**; 40 King Street West, 40th
Floor, Toronto, Ontario M5H 3Y2 (CA).

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(54) Title: METHOD OF INHIBITING DIHYDROFOLATE REDUCTASE; SCREENING ASSAY FOR THE IDENTIFICATION
OF NOVEL THERAPEUTICS AND THEIR CELLULAR TARGETS



(57) Abstract: A novel screening assay for identifying therapeutic agents and their cellular targets is described. The assay is useful in developing new antibacterial, antifungal, antiparasitic and anti cancer therapeutics. New inhibitors of dihydrofolate reductase (DHFR) have been identified using the assay of the present invention. Methods of treating diseases that benefit from an inhibition of DHFR are also described.

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